

PCT REQUEST

Original (for SUBMISSION) - printed on 13.03.2003 10:00:39 AM

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| 0 | For receiving Office use only | PCT/CA 03/ 00350 |
| 0-1 | International Application No. | |
| 0-2 | International Filing Date | 13 MARCH 2003 13.03.03 |
| 0-3 | Name of receiving Office and "PCT International Application" | RO/CA |

| | | |
|---------|---|--|
| 0-4 | Form - PCT/RO/101 PCT Request | |
| 0-4-1 | Prepared using | PCT-EASY Version 2.92 (updated 01.01.2003) |
| 0-5 | Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty | |
| 0-6 | Receiving Office (specified by the applicant) | Canadian Patent Office (RO/CA) |
| 0-7 | Applicant's or agent's file reference | U008 0547 |
| I | Title of invention | HIGH DYNAMIC RANGE DISPLAY DEVICES |
| II | Applicant | |
| II-1 | This person is: | applicant only |
| II-2 | Applicant for | all designated States except US |
| II-4 | Name | THE UNIVERSITY OF BRITISH COLUMBIA |
| II-5 | Address: | Industry Liason Office Room 331, IRC Building 2194 Health Sciences Mall Vancouver, British Columbia V6T 1Z3 Canada |
| II-6 | State of nationality | CA |
| II-7 | State of residence | CA |
| II-8 | Telephone No. | 604 822-8580 |
| II-9 | Facsimile No. | 604 822-8589 |
| III-1 | Applicant and/or inventor | |
| III-1-1 | This person is: | applicant and inventor |
| III-1-2 | Applicant for | US only |
| III-1-4 | Name (LAST, First) | WHITEHEAD, Lorne, A. |
| III-1-5 | Address: | 3015 West 12th Avenue Vancouver, British Columbia V6K 2R4 Canada |
| III-1-6 | State of nationality | CA |
| III-1-7 | State of residence | CA |

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| | | |
|---------|---------------------------|--|
| III-2 | Applicant and/or inventor | |
| III-2-1 | This person is: | applicant and inventor |
| III-2-2 | Applicant for | US only |
| III-2-4 | Name (LAST, First) | SEETZEN, Helge |
| III-2-5 | Address: | 5432 Duquette Avenue Montreal, Québec H4A 1J6 Canada |
| III-2-6 | State of nationality | DE |
| III-2-7 | State of residence | CA |
| III-3 | Applicant and/or inventor | |
| III-3-1 | This person is: | applicant and inventor |
| III-3-2 | Applicant for | US only |
| III-3-4 | Name (LAST, First) | GRAHAM, Don |
| III-3-5 | Address: | 6024 Collingwood Place Vancouver, British Columbia V6N 1V1 Canada |
| III-3-6 | State of nationality | CA |
| III-3-7 | State of residence | CA |
| III-4 | Applicant and/or inventor | |
| III-4-1 | This person is: | applicant and inventor |
| III-4-2 | Applicant for | US only |
| III-4-4 | Name (LAST, First) | WARD, Greg |
| III-4-5 | Address: | 1200 Dartmouth Street, #C Albany, CA 94706-2358 United States of America |
| III-4-6 | State of nationality | US |
| III-4-7 | State of residence | US |
| III-5 | Applicant and/or inventor | |
| III-5-1 | This person is: | applicant and inventor |
| III-5-2 | Applicant for | US only |
| III-5-4 | Name (LAST, First) | STUERZLINGER, Wolfgang |
| III-5-5 | Address: | Department of Computer Science York University, CSB 3048 4700 Keele Street Toronto, Ontario M3J 1P3 Canada |
| III-5-6 | State of nationality | AT |
| III-5-7 | State of residence | CA |

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| | | |
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| IV-1 | Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: | agent |
| IV-1-1 | Name (LAST, First) | MANNING, Gavin, N. |
| IV-1-2 | Address: | Oyen Wiggs Green & Mutala 480 - 601 West Cordova Street Vancouver, British Columbia V6B 1G1 Canada |
| IV-1-3 | Telephone No. | 604 669-3432 |
| IV-1-4 | Facsimile No. | 604 681-4081 |
| IV-1-5 | e-mail | owgm@patentable.com |
| IV-2 | Additional agent(s) | additional agent(s) with same address as first named agent |
| IV-2-1 | Name(s) | OYEN, Gerald, O., S.; WIGGS, Blake, R.; GREEN, Bruce, M.; MCGRUDER, David, J.; BAILEY, Thomas, W.; SUE, Hilton, W.; KONDOR, George, F.; ASH, Craig, A. |
| V | Designation of States | |
| V-1 | Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned) | AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT |
| V-2 | National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned) | AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW |

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| V-5 | Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. | | |
| V-6 | Exclusion(s) from precautionary designations | NONE | |
| VI-1 | Priority claim of earlier national application | | |
| VI-1-1 | Filing date | 13 March 2002 (13.03.2002) | |
| VI-1-2 | Number | 60/363,563 | |
| VI-1-3 | Country | US | |
| VII-1 | International Searching Authority Chosen | European Patent Office (EPO) (ISA/EP) | |
| VIII | Declarations | Number of declarations | |
| VIII-1 | Declaration as to the identity of the inventor | 1 | |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | - | |
| VIII-3 | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | - | |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America) | 1 | |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | - | |

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| VIII-1-1 | Declaration: Identity of the Inventor Declaration as to the identity of the inventor (Rules 4.17(i) and 51bis.1(a)(i)) | in relation to this international application |
| | Name: Address: | WHITEHEAD, Lorne, A. of 3015 West 12th Avenue Vancouver, British Columbia V6K 2R4 Canada is the inventor of the subject matter for which protection is sought by way of this international application |
| | Name: Address: | SEETZEN, Helge of 5432 Duquette Avenue Montreal, Québec H4A 1J6 Canada is the inventor of the subject matter for which protection is sought by way of this international application |
| | Name: Address: | GRAHAM, Don of 6024 Collingwood Place Vancouver, British Columbia V6N 1V1 Canada is the inventor of the subject matter for which protection is sought by way of this international application |
| | Name: Address: | WARD, Greg of 1200 Dartmouth Street, #C Albany, CA 94706-2358 United States of America is the inventor of the subject matter for which protection is sought by way of this international application |
| | Name: Address: | STUERZLINGER, Wolfgang of 4700 Keele Street Toronto, Ontario M3J 1P3 Canada is the inventor of the subject matter for which protection is sought by way of this international application |
| | This declaration is made for the purposes of: | all designations |

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| VIII-4-1 -1 | <p>Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p> | <p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p> <p>60/363,563, US, 13 March 2002 (13.03.2002)</p> |
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| | | |
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| | | <p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p> |
| VIII-4-1 -1-1 | Name: | WHITEHEAD, Lorne, A. |
| VIII-4-1 -1-2 | Residence: (city and either US State, if applicable, or country) | Vancouver, Canada |
| VIII-4-1 -1-3 | Mailing address: | 3015 West 12th Avenue |
| VIII-4-1 -1-4 | Citizenship: | CA |
| VIII-4-1 -1-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) | |
| VIII-4-1 -1-6 | Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |

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| VIII-4-1 -2-1 VIII-4-1 -2-2 VIII-4-1 -2-3 VIII-4-1 -2-4 VIII-4-1 -2-5 VIII-4-1 -2-6 | Name: Residence: (city and either US State, if applicable, or country) Mailing address: Citizenship: Inventor's Signature: (If not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | SEETZEN, Helge Montreal, Canada 5432 Duquette Avenue DE |
| VIII-4-1 -3-1 VIII-4-1 -3-2 VIII-4-1 -3-3 VIII-4-1 -3-4 VIII-4-1 -3-5 VIII-4-1 -3-6 | Name: Residence: (city and either US State, if applicable, or country) Mailing address: Citizenship: Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | GRAHAM, Don Vancouver, Canada 6024 Collingwood Place CA |

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| VIII-4-1 -4-1 VIII-4-1 -4-2 VIII-4-1 -4-3 VIII-4-1 -4-4 VIII-4-1 -4-5 VIII-4-1 -4-6 | Name: Residence: (city and either US State, if applicable, or country) Mailing address: Citizenship: Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | WARD, Greg Albany, California 1200 Dartmouth Street, #C US |
| VIII-4-1 -5-1 VIII-4-1 -5-2 VIII-4-1 -5-3 VIII-4-1 -5-4 VIII-4-1 -5-5 VIII-4-1 -5-6 | Name: Residence: (city and either US State, if applicable, or country) Mailing address: Citizenship: Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | STUERZLINGER, Wolfgang Toronto, Canada 4700 Keele Street AT |


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PCT REQUEST

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| | | | |
|-------|--|--|-----------------------------|
| IX | Check list | number of sheets | electronic file(s) attached |
| IX-1 | Request (including declaration sheets) | 10 | - |
| IX-2 | Description | 34 ^{aa} 33 ^a | - |
| IX-3 | Claims | 10 ^{aa} 11 ^a | - |
| IX-4 | Abstract | 1 | EZABST00.TXT |
| IX-5 | Drawings | 15 | - |
| IX-7 | TOTAL | 70 | |
| IX-8 | Accompanying items | paper document(s) attached | electronic file(s) attached |
| IX-8 | Fee calculation sheet | ✓ | - |
| IX-17 | PCT-EASY diskette | - | Diskette |
| IX-19 | Figure of the drawings which should accompany the abstract | 8 | |
| IX-20 | Language of filing of the international application | English | |
| X-1 | Signature of applicant, agent or common representative |  | |
| X-1-1 | Name (LAST, First) | MANNING, Gavin, N. | |

FOR RECEIVING OFFICE USE ONLY

| | | |
|--------|---|------------------------|
| 10-1 | Date of actual receipt of the purported international application | 13 MARCH 2003 13.03.03 |
| 10-2 | Drawings: | |
| 10-2-1 | Received | ✓ |
| 10-2-2 | Not received | |
| 10-3 | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application | |
| 10-4 | Date of timely receipt of the required corrections under PCT Article 11(2) | |
| 10-5 | International Searching Authority | ISA/EP |
| 10-6 | Transmittal of search copy delayed until search fee is paid | |

FOR INTERNATIONAL BUREAU USE ONLY

| | | |
|------|--|--|
| 11-1 | Date of receipt of the record copy by the International Bureau | |
|------|--|--|

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SUBSTITUTE SHEET (RULE 26)

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PCT (ANNEX - FEE CALCULATION SHEET)

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(This sheet is not part of and does not count as a sheet of the international application)

| | | | | |
|---------|---|---|---------------------|--|
| 0 | For receiving Office use only | | | |
| 0-1 | International Application No. | PCT/CA 03/ 00350 | | |
| 0-2 | Date stamp of the receiving Office | 13 MARCH 2003 13.03.03 | | |
| 0-4 | Form - PCT/RO/101 (Annex) | | | |
| 0-4-1 | PCT Fee Calculation Sheet Prepared using | PCT-EASY Version 2.92 (updated 01.01.2003) | | |
| 0-9 | Applicant's or agent's file reference | U008 0547 | | |
| 2 | Applicant | THE UNIVERSITY OF BRITISH COLUMBIA, et al. | | |
| 12 | Calculation of prescribed fees | fee amount/multiplier | Total amounts (CAD) | |
| 12-1 | Transmittal fee T | ⇒ | 200 | |
| 12-2-1 | Search fee S | ⇒ | 1,440 | |
| 12-2-2 | International search to be carried out by | EP | | |
| 12-3 | International fee | | | |
| | Basic fee | | | |
| | (first 30 sheets) b1 | 639 | | |
| 12-4 | Remaining sheets | 40 | | |
| 12-5 | Additional amount (X) | 15 | | |
| 12-6 | Total additional amount b2 | 600 | | |
| 12-7 | b1 + b2 = B | 1,239 | | |
| 12-8 | Designation fees | | | |
| | Number of designations contained in international application | 95 | | |
| 12-9 | Number of designation fees payable (maximum 5) | 5 | | |
| 12-10 | Amount of designation fee (X) | 138 | | |
| 12-11 | Total designation fees D | 690 | | |
| 12-12 | PCT-EASY fee reduction R | -197 | | |
| 12-13 | Total International fee (B+D-R) I | ⇒ | 1,732 | |
| 12-17 | TOTAL FEES PAYABLE (T+S+I+P) | ⇒ | 3,372 | |
| 12-19 | Mode of payment | other: Visa | | |
| 12-20 | Deposit account instructions | | | |
| | The receiving Office: | Canadian Patent Office (RO/CA) | | |
| 12-20-2 | Authorization to charge any deficiency or credit any overpayment in the total fees indicated above. | ✓ | | |
| 12-20-3 | Authorization to charge the fee for priority document. | ✓ | | |
| 12-21 | Deposit account No. | 600000200 | | |
| 12-22 | Date | 13 March 2003 (13.03.2003) | | |

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